

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A polymeric colored dispersant comprising the structure $A-(B-X)_n$, wherein: A is an organic chromophore; B is a covalently bonded linking moiety containing N and at least one of S and O; X is a branched or linear $C_{50}-C_{200}$ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.
2. (Previously presented) The dispersant of claim 1, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.
3. (Currently amended) The dispersant of claim 1, wherein B is a moiety ~~comprising O, N, or~~ contains S.
4. (Currently amended) The dispersant of claim 1, wherein the hydrocarbon is a branched or linear ~~C_{100}~~ C_{30} to C_{150} hydrocarbon.
5. (Previously presented) The dispersant of claim 1, wherein n is selected from 1 and 2.
6. (Currently amended) A colorant dispersion comprising a polymeric colored dispersant having the structure $A-(B-X)_n$, wherein: A is an organic chromophore; B is a covalently bonded linking moiety containing N and at least one of S and O; X is a branched or linear $C_{50}-C_{200}$ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.
7. (Previously presented) The dispersion of claim 6, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.

8. (Currently amended) The dispersion of claim 6, wherein B is a moiety ~~comprising O, N, or~~ contains S.

9. (Currently amended) The dispersion of claim 6, wherein X is a branched or linear ~~C₁₀₀~~ C₅₀ to C₁₅₀ polymeric covalently linked hydrocarbon.

10. (Previously presented) The dispersion of claim 6, wherein n is selected from the group consisting of 1 and 2.

11 - 15. (Cancelled).

16. (Currently amended) A colorant dispersion comprising: (a) at least about 45 wt.% of a colorant, based on the total weight of the dispersion, and (b) a polymeric colored dispersant having the structure A-(B-X)_n, wherein: A is an organic chromophore; B is a covalently bonded linking moiety containing N and at least one of S and O; X is a branched or linear C₅₀-C₂₀₀ polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.

17. (Previously presented) The dispersion of claim 16 having a viscosity of less than about 150 Pa.s.

18. (Previously presented) The dispersion of claim 16 having about 65 wt.% of said colorant, based on the total weight of the dispersion.

19. (Previously presented) The dispersion of claim 16, wherein the colorant is selected from the group consisting of organic pigments, dyes and carbon black.

20. (Previously presented) The dispersion of claim 19, wherein the colorant is an organic pigment.

21. (Previously presented) The dispersion of claim 20, wherein the organic pigment is selected from the group consisting of mono and diazo pigments, quinacridone pigments, rhodamine dyes and pigments, perylene pigments, diketopyrrololes pigments, carbon black, anthraquinone dyes and pigments, indanthrene dyes, lake pigments, dioxazine pigments, isoindolinone pigments, and dioxazine pigments.

22. (Previously presented) The dispersion of claim 20, wherein the organic pigment is selected from the group consisting of Pigment Yellow 12, Pigment Yellow 13, Pigment Yellow 14, Pigment Yellow 74, Pigment Yellow 150, Pigment Orange 5, Pigment Orange 13, Pigment Orange 16, Pigment Orange 64, Pigment Red 2, Pigment Red 81:2, Pigment Red 122, Pigment Red 144, Pigment Red 166, Pigment Red 179, Pigment Red 184, Pigment Red 202, Pigment Red 254, Pigment Red 264, Pigment Violet 1, Pigment Violet 2, Pigment Violet 3, Pigment Violet 19, Pigment Violet 23, Pigment Blue 15:3, and Blue 15:4.

23. (Cancelled).

24. (Previously presented) The dispersion of claim 16, wherein the dispersant is present in about 1 wt.% to about 15 wt.% based on the weight of the colorant.

25. (Previously presented) The dispersion of claim 24, wherein said colorant is pigment and said dispersant is present in about 10 wt. % based on the weight of the pigment.

26. (Previously presented) The dispersion of claim 16, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.

27. (Currently amended) The dispersion of claim 16 wherein B is a moiety ~~comprising O, N, or~~ contains S.

28. (Previously presented) The dispersion of claim 16, wherein X is a branched or linear C_{100} C_{50} to C_{150} polymeric covalently linked hydrocarbon.
29. (Previously presented) The dispersion of claim 16, wherein n is selected from the group consisting of 1 and 2.
30. (Previously presented) A printing ink composition comprising a colorant dispersion composition containing a polymeric colored dispersant having the structure A-(B-X)_n, wherein: A is an organic chromophore; B is a covalently bonded linking moiety containing N and at least one of S and O; X is a branched or linear C_{50} - C_{200} polymeric covalently linked hydrocarbon; and n is an integer from 1 to 4.
31. (Previously presented) The ink composition of claim 30, wherein the printing ink is a lithographic printing ink.
32. (Previously presented) The ink composition of claim 30, wherein the printing ink is a gravure printing ink.
33. (Previously presented) The ink composition of claim 30, wherein A is selected from the group consisting of organic pigments, dyes and carbon black.
34. (Previously presented) The ink composition of claim 30, wherein B is a moiety ~~comprising O, N, or contains~~ S.
35. (Currently amended) The ink composition of claim 30, wherein X is a branched or linear C_{100} C_{50} to C_{150} polymeric covalently linked hydrocarbon.
36. (Previously presented) The ink composition of claim 30, wherein n is selected from 1 and 2.

37. (New) The ink composition of claim 33, wherein the printing ink is a lithographic or gravure printing ink, A is selected from the group consisting of organic pigments, dyes and carbon black, X is a branched or linear C₅₀ to C₁₅₀ polymeric covalently linked hydrocarbon and n is selected from 1 and 2.

38. (New) The ink composition of claim 30, wherein B contains O.

39. (New) The dispersion of claim 16, wherein B contains O.

40. (New) The colorant dispersion of claim 6, wherein B contains O.

41. (New) The polymeric colored dispersant of claim 1, wherein B contains O.